

ABSTRACT OF THE DISCLOSURE

A microplate liquid handling system requiring minimum installation area, helping to avoid waste of various reagents, and making it possible to perform dispensing the various reagents in the shortest possible time. The microplate liquid handling system has a main frame body provided with a moving mechanism, a dispensing mechanism, and a stage. On the stage, a microplate, two dispensing tip containers, and two reagent vessels are mounted. Formed in the microplate are 12 x 8 wells, i.e., 96 wells in total, arranged in matrix. The microplate, the dispensing tip containers, and the reagent vessels are substantially of the same, rectangular configuration. Each of the two dispensing tip containers is capable of accommodating 12 x 8 dispensing tips in total in a matrix fashion.